

SITE VISIT REPORT
NAVAJO ABANDONED MINE LANDS RECLAMATION PROGRAM

DATE (S) OF VISIT:	31 January 2019
MINE/PROJECT NAME:	USEPA Region 9, Cove Mesa V Haul Shaft Closure Project
DURATION OF VISIT:	1:30 pm – 5:30 pm
PURPOSE OF VISIT:	Construction Progress Inspection

OBSERVATION:

This is the construction progress observed on Thursday, 31 January 2019, Cove Mesa V Haul Shaft Project.

The contractor completed the rock and earth work at haul shaft entry way. Haul shaft entry area was flat with a good work area, but it was not leveled, it is tilted to one side, see pictures below. The bottom steel plate was installed with 5/8" concrete reinforcement bars (18" OC) with lengths ranging from 18" to 48" depending when competent rock was encountered. The contractor was in the process of installing the left side steel frame plate. Left side as you look at the opening from the outside. A shoring jack (15-20 feet) is used to form the 1/4" steel plate to the rock wall. Once the steel plate was in contact with the rock a (5/8" X 12") anchor bolts are installed. In order to install the anchor bolts the rock is drilled with concrete drill bit (5/8" X 12") aligned by the pre-drilled holes in the steel plate, spaced 18" apart. After the corresponding holes were aligned the anchor bolt is installed and tighten. The anchor bolts have a wedging end at the tip. Even through the shoring jack and anchor bolts set the steel plate close to the rock, NAMLRP is recommending non-expansive grout to secure the gaps between the steel and rock. This seal will secure the steel plates and bolts from corrosion and rust. The contractor finished the left side and started the right side. Bottom, left, and right plates were installed at the end of the day. Next week they will start with the top plate.

After monitoring the construction progress, I returned to Shiprock AML. The access road and access path are becoming more challenging, due to increase in mud and rutting of traveled areas.

WEATHER/ROAD CONDITIONS:

Approximately high 40 degree Fahrenheit temperatures, clear skies, and snow/mud on roads.


FOLLOW-UP:

Continue construction monitoring and conduct pre-final inspection when 90 percent completed. Reclamation of access will have to wait until final inspection.

CONTACTS:

Edwin Poalinelli, USEPA Region IX

NAME: Gilbert Dayzie
TITLE: Civil Engineer



Drilling rock and installing anchor bolts on Thursday, 31 January 2019



Bottom steel plate installed, 30 January 2019, note 5/8" rebar.



Photo tilted side ways to fit, shows the steel plate frame connected to rock wall.



Right steel plate installation, note the shoring jack compressing the metal to rock.



Two hundred fifty-pound cable spool delivered with Clawson's delivery device.



Entry way floor is tilted to the right.

